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CLAIMS

- 1. Guideway beam (1) for a guideway of a maglev vehicle, comprising
 - means for positioning and securement to a base support (13),
 - at least one U-shaped section (2) pointing in movement direction of the maglev vehicle.
- 2. Guideway beam according to claim 1, characterized in that the legs of the U-shaped sections include opposing openings (10) at predefined distances.
- 3. Guideway beam according to claim 2, characterized in that each of the openings (10) includes a slot (9) toward the open side of the U-shaped section.
- 4. Guideway beam according to claim 3, characterized in that the width of the slot (9) is smaller than the respective opening (10).
- 5. Stator lamination stack (4) for a guideway of a maglev vehicle, comprising
 - laminations, especially dynamo sheets, stacked in travel direction of the maglev vehicle,
 - bores of the laminations extending transversely to the movement direction of the maglev vehicle and arranged in alignment,
 - securement of the laminations by suitable means (5, 6).
- 6. Stator lamination stack (4) according to claim 5, characterized in that the laminations are secured by locking rings and/or weld seams (11) at the end surfaces of the stator lamination stack (4).

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7. Support structure of a guideway of a maglev vehicle, comprising a guideway beam (1) according to one of the claims 1 to 5, and a stator lamination stack (4) according to claims 5 or 6, as well as means for securement (7, 8) of the stator lamination stack (4) to the guideway beam (1).

- 8. Support structure according to claim 7, characterized in that a predetermined number of openings (10) of the U section legs are in alignment with the openings of the laminations forming the stator lamination stack (4) so as to realize in the area of the U section leg, in particular in the area of traversal of a load-bearing bolt (7), a securement and positioning of the stator lamination stack (4) to the guideway beam (1) through provision of additional fastening elements (8).
- 9. Support structure according to claim 8, characterized in that the fastening elements (8) are welded and/or bolted to the U section legs.
- 10. Support structure according to one of the claims 7 to 9, characterized in that the fastening elements have a sleeve-shaped configuration.
- 11. Method of making a support structure for a guideway of a maglev vehicle according to claim 7 by the following steps:
 - interlocking stacked and stamped stator laminations, in particular dynamo sheets, according to predefined stamping patterns such that recesses like slots (15) and openings of the laminations are arranged in alignment,
 - placing the end plates (5) at the end surfaces of the stator lamination stack (4),
 - inserting the load-bearing bolts (7) into the openings on the back of the stator lamination stack (4),

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- urging means (6) for holding the stator lamination stack (4) under pressure against the end plates (5),

- inserting the stator lamination stack (4) with the load-bearing bolts (7) into the openings (10) of the U section (2),
- using fastening elements (8) between load-bearing bolt (7) and openings (10) of the U section (2).
- 12. Method according to claim 11, characterized in that the stator lamination stack (4) is treated prior to insertion into the U section (2), especially cast and/or impregnated.
- 13. Method according to claim 11 or 12, characterized in that the load-bearing bolt (7) is secured to the guideway beam (1) by the interference fit of the fastening elements or by welding (11) of the fastening elements (8) with the legs of the U section (2).